ojeet: New 8-Story Mixed Us Idress: 667 Congress St. Portland, ME.		<u> i UKA</u>	<u>L GENERAI</u>	<u>JINOIES</u>				STRUCTURAL STEI Structural steel shall be Structural steel wide fla Except as noted, frame with Part 4, Tables
#: 15-0038								Edition unless loads
		ilding Co			Edition, except a	s noted		ASTM A325 or A4 All beams shall have fi
cupancy Category, Table 160	)4.5		[1	Star	ndard			An beams shall have to Anchor rods shall confe
oors:								Headed anchor studs (
Residential Corridore Soming Posi	Anntial Oak				reduced per IBC1 reduced per IBC1			stud manufacturer's Welding shall be done
Corridors Serving Resi Stairs, Elevator Lobbie	•			opsi (ll. Opsf	reduced per IBC1	007.9)		electrodes. Where 1
Wholesale/Retail First		£	12	5 psf				All post-installed anch
Garage			40	psf/3,000	lb			requirements. Expansion anchors shal
oofs & Exposed Garage Areas	\$:							Chemical anchors shal
Ground Snow, (Pg)				• •	for drifting calcu	ilations)		material is not solid Grout beneath column
Flat Roof Snow, (Pf) Snow Exposure Factor	(Ca) (Table	1608 3		2 psf O			$\frown$	minimum 28-day co
Show Exposure Pactor Snow importance Factor							$ \times $	approved pre-bagge
Snow Thermal Factor,			,			//	21	non-shrink, when te Grade B or C at a fl
teral:					E	$\prec$	5	Grade 15 of C at a fi
Wind:					(5)	A O	0	
Analysis Procedure IB		ASCE 7		alytic Met	thod 🦂			STRUCTURAL MAS Design is based on Unit
3 Second Gust Velocity Importance Factor	У			0 mph 1.0		10	0	MSJC, Section SC
Building Category and	Internal Pre	essure Co		1.0				Compressive stren;
IBC 1609.2, ASCE Fig			En	closed	GCpi=0.18	C&C L NO SCAL	DIAGRAM 1	Hollow load-bearing co Grade N1, minimu
Exposure Contpotents and Clade	ting Pressure	55 (DD)-	C (See C&C D	istoram 1)			····	Mortar shall be Type S
35 psf (Area 4	4) typical un	less note	d otherwise					Masonry cement shall r
60 psf (Area 5				building c	corners uno			Provide full shoved mo Admixtures shall not be
Seismic: Importance Factor			n/	1.0				Except for lintels, bond
Spectral Response		1		celeration	Coe	efficient		Grout used in masonry
Short Period			S <sub>5</sub>		_			coarse grout, as de 3000 psi concrete u
One Second			$S_1$	0.07	77 g S <sub>D1</sub>	0.051 g	3	Lifts shall not exce
Soils Site Class (Table Design Category (Tabl	· ·	.'	BB					If grout pour heigh
Analysis Procedure	(* 101. <i>0</i> .0)			juivalett L	ateral Force Meth	od		Space continuous horiz Joint reinforcing sl
Seismie Force-Resistin					05, Table 12.2-1)			Reinforcing bars shall l
Response Modification Seismic Response Coe		· ·	3	)29				At splices, lap bars
Design Base Sheat (V)		t -		9 kips				Provide reinforced grou at corners, ends of
υ				1				at spacing shown o
DUNDATION DESIGN:								Reinforcement shall be
fer to soils report no. 150401	-				-	.1.		by wire bar locator
ils engineer shall verify soil o	conditions at	na types	ouring exeav	ation and p	prior to concrete p	nacement.		Where noted on the dra provide clearance
ootings								wrap steel with pol
sign of footings is based o	-						design may bear on glacial	Provide vertical control
/structural fill as indicated opert.	on plans Of	NET. S	ee geotechni	eat report	for preparation of	H nedrock/st	ubgrade/soils per geotechnical	as located on archit at 25'-0 maximum
Maximum allowable bearing	g pressure fo	ər footin	gs bearing or	1 bedrock:		<u>10,000</u>	<u>) psf</u>	at both jambs of or
Maximum allowable bearing						4.000p		Submit for review
ar footings on the bedrock/gl ost Protection:	lacial till as a	approved	t by the geote	chnical en	gineer at time of a	construction.		Certificates for ma
2'-0" minimum for footings								Special Inspection is re- MSJC Level 2 Quality
4'-0" minimum for footings	cast to glac	jal till/st						Prism and grout tests w
ansition zones between footir	igs cast to b	edrock a	ng son shall t	oe per geot	ecuncal report.			Test specimens shall be with materials and
Piles								Specimens shall be
							s noted otherwise. Piling shall	The testing agent v
driven in accordance with that wings.	ne requireme	ents outl	med in the ge	eotechnical	i report. Minimun	n capacity pe	er pile shall be as noted on the	reporting results to
<ul> <li>Piles shall be driven to</li> </ul>	refusal.							LOOSE LINTELS:
• Pile splices as needed		ove beve	l complete jo	int penetra	tion welds all aro	amd.		Unless noted otherwise
labe								
i <b>lahs</b> bgrade Modulus – 150pei								<b></b>
								LIGHT GAUGE ST Member forming shall
Retaining Structures		<b>.</b>	8.1 0.17		075 5 1 1		1) 55	All structural framing
Coefficient of Friction		Native	son = 0.45.	Bedrock =	0.65. Foundation	n Backfill =	0.33	G-60.
								Studs and joists 54 43 mils (18 gauge)
REINFORCED CONCRETI			Laciano					Subcontractor shall pr
We encourage the use of blast . Design is based on "Building				ed Conere	ete"(ACI 318).	Concrete wor	k shall conform to "Standard	assembly wherever
pecifications for Structural Co	oncrete" (A	CI 301).						Supplier shall design r Member sizes noted or
Structural concrete shall ha Intended Use				S1	Entrained Air	Cement	Admixtures,	(## <b>d)(sd)(</b> ##v
micinica Use	f°e, psi 28day	Max W/C	Maximum Aggregate	Slump inches	Entrained Air Percent	Type Cement	Admixtures, Comments	(##d
	y	Ratio	- pp. bary	,	±1.5%		S 47 AMPART & (1884)	(sd) (∓#v
Footings	3,000	.6	3/4" Stone	4	5%o	I/II		(##V (##t)
Walls & Pilasters	4,000	.45	3/4" Stone	4	5%		Ash WOLLWOLLWID	(sd) Style Des
	3,500	.5 .45	<sup>3</sup> /4" Stone <sup>3</sup> /4" Stone	4	****	L/II I/II	6x6 – W2.1xW2.1 WWR 6x6 – W2.1xW2.1 WWR	S
Int. struct slab on deck			<sup>3</sup> / <sub>4</sub> Stone <sup>3</sup> / <sub>4</sub> " Stone	4	5%	I/II I/II	Salt/Corrosion Inhibitor	
		.40		· ·		1	Galv. 4x4 - W2.9xW2.9	J.
Int. struct slab on deck Int. topping slab	4,500	.40						T
Int. struct slab on deck Int. topping slab Ext. slab on metal deck at garage	4,500				<u>ح</u> ٥.	T /TT	WWR	T U
Int. struct slab on deck Int. topping slab Ext. slab on metal deck at		.40	3/8" Stone	-4	5%o	I/II	WWR Salt/Corrosion Inhibitor	T
Int. struct slab on deck Int. topping slab Ext. slab on metal deck at garage	4,500			4	5ºa	I/II	WWR	T U
Int. struct slab on deck Int. topping slab Ext. slab on metal deck at garage	4,500			4	5%o	I/II I/II	WWR Salt/Corrosion Inhibitor Galv. 6x6 – W2.1xW2.1 WWR Galv. 6x6 – W2.1xW2.1	T U F
Int. struct slab on deck Int. topping slab Ext. slab on metal deck at garage Garage Column Wrap	4,500 4,500	.40	3/8" Stone				WWR Salt/Corrosion Inhibitor Galv. 6x6 – W2.1xW2.1 WWR Galv. 6x6 – W2.1xW2.1 WWR Salt/Corrosion	T U F
Int. struct slab on deck Int. topping slab Ext. slab on metal deck at garage Garage Column Wrap Ext. slab on grade	4,500 4,500 4,500	.40	3/8" Stone				WWR Salt/Corrosion Inhibitor Galv. 6x6 – W2.1xW2.1 WWR Galv. 6x6 – W2.1xW2.1 WWR Salt/Corrosion Inhibitor	T U F
Int. struct slab on deck Int. topping slab Ext. slab on metal deck at garage Garage Column Wrap Ext. slab on grade Int. slabs on grade	4,500 4,500	.40	3/8" Stone 3/8" Stone 3/4" Stone	4	5%a	I/II I/II	WWR Salt/Corrosion Inhibitor Galv. 6x6 – W2.1xW2.1 WWR Galv. 6x6 – W2.1xW2.1 WWR Salt/Corrosion	T U F
Int. struct slab on deck Int. topping slab Ext. slab on metal deck at garage Garage Column Wrap Ext. slab on grade Int. slabs on grade beams, columns	4,500 4,500 4,500 4,500 3,500 4,000	.40 .45 .5 .45	3/8" Stone 3/2" Stone 3/4" Stone 3/4" Stone	4	5%	I/II I/II I/II	WWR Salt/Corrosion Inhibitor Galv. 6x6 – W2.1xW2.1 WWR Galv. 6x6 – W2.1xW2.1 WWR Salt/Corrosion Inhibitor Fibermesh or 6x6 –	T U F
Int. struct slab on deck Int. topping slab Ext. slab on metal deck at garage Garage Column Wrap Ext. slab on grade Int. slabs on grade	4,500 4,500 4,500 3,500	.40 .45 .5	3/8" Stone 3/8" Stone 3/4" Stone	4	5%a 	I/II I/II	WWR Salt/Corrosion Inhibitor Galv. 6x6 – W2.1xW2.1 WWR Galv. 6x6 – W2.1xW2.1 WWR Salt/Corrosion Inhibitor Fibermesh or 6x6 –	T U F

Reinforcing bars shall conform to ASTM A615, Grade 60, except ties or bars shown to be field-bent, which shall be Grade 40.

Epoxy coated reinforcing bars shall conform to ASTM 775.

Zine coated (galvanized) reinforcing bars shall conform to ASTM 767. Bars to be welded shall conform to ASTM 706.

Reinforced Concrete Structures (ACI 315). Welded wire fabric shall conform to ASTM A185.

At splices, lap bars 50 diameters unless noted otherwise.

At corners and intersections, make horizontal bars continuous or provide matching corner bars. Around openings in walls and slabs, provide 2-#5, extending 2'-0 beyond edge of opening.

In continuous members, splice top bars at mid-span and splice bottom bars over supports.

Provide intermittent shear keys at all construction joints and elsewhere as shown on the drawings. Except as noted on the drawings, concrete protection for reinforcement in cast-in-place concrete shall be as follows:

- a. Cast against and permanently exposed to earth 3"
- b. Exposed to earth or weather: #6 through #18 bars
- #5 bar, W31 or D31 wire, and smaller 1-1/2°
- e. Not exposed to weather or in contact with ground: Slabs, walls, joists: #11 bar and smaller

Beams, columns: Primary reinforcement

1-1/2''Stirrups, ties, spirals Fibremesh admixture shall be 100% virgin polypropylene, fibrillated fibers as manufactured by Fibremesh Co. or equal per ASTM C-1116 type 111 4.1.3 and ASTM C-1116 performance level one, 1.5 lbs per cubic vard of concrete. Anchor bolts and rods for beam and column-bearing plates shall be placed with setting templates.

3/4"

1-1/2''

Detailing, fabrication, and placement of reinforcing steel shall be in accordance with the Manual of Standard Practice for Detailing

Permanent corrugated steel forms for concrete floor slabs shall be manufactured and crected according to the "Specifications and Code of Standard Practice" of the Steel Deck Institute. All concrete work is subject to inspection by a qualified special inspector employed by the owner in accordance with IBC Section 1704.4.

shall be detailed, fabricated, and crected in accordance with latest AISC Specifications, and Code of Standard Practice. wide flange beams shall conform to ASTM A992. l, framed beam connections shall be bearing-type with 3/4" diameter, snug tight, A325-N bolts, detailed in conformance , Tables II and III, for 0.6 times the allowable maximum uniform loads tabulated in Part 2 of the AISC Manual, 9th ess loads are otherwise noted on plan. Install bolts in accordance with AISC "Specification for Structural Joints Using 25 or A490 Bolts".

l have full depth web stiffeners each side of webs above and below columns all conform to ASTM F1554, Grade 55), with weldability supplement \$1. studs (HAS) shall be attached to structural steel with equipment approved by the stud manufacturer according to the

acturer's recommendations. be done by a certified welder in accordance with AISC and AWS specifications and recommendations using E70-Where not specifically noted, minimum weld shall be 3/16" fillet by length of contact edge. led anchors shall have current ICC Evaluation Report, and shall be installed in accordance with the manufacturer's

hors shall be approved "wedge" type unless specifically noted to be "sleeve" type. nors shall be approved epoxy or similar adhesive type and shall have current ICC Evaluation Report. Where base bot solid, approved screen tubes shall be used. column base and beam-bearing plates shall be

8-day compressive strength of 7,500 psi, re-bagged, non-metallic, non-gaseous, bleed free, when tested in accordance with ASTM C1107 C at a flow cone fluid consistency of 20 to 30 seconds

#### L MASONRY: l on Unit Strength Method

tion SC-1.4 B.2. ve strength of masonry assembly used for design is 1500 psi, based on net-bedded area. earing concrete masonry (CMU) shall be medium-weight units conforming to ASTM C90, minimum compressive strength 1,900 psi based on average net area. Type S conforming to ASTM C270. t shall not be used. oved mortar in all head and bed joints. all not be added for any reason unless approved by the Architect. els, bond beam units shall be produced from standard vertically voided units with pre-cut knockout cross walls. nasonry walls and block cells shall be: it, as defined by ASTM C476, with a minimum cube strength = 2,000 psi. oncrete using 3/8" diameter aggregate, placed by vibrating unless an approved self consolidating mix is used

not exceed five feet in height ur height exceeds 5 feet, clean-out holes shall he provided. us horizontal joint reinforcing at 16" maximum in all CMU walls. orcing shall be welded type with 9 gage side-wires and 9 gage trussed or ladder cross wires.

s shall be as for reinforced concrete except as noted. lap bars 48 diameters.

## reed grouted vertical cells

ends of walls, jambs of openings, each side of vertical control joints, and shown on drawings.

shall be secured against displacement prior to grouting r locators or other suitable devices at intervals not exceeding 200 bar diameters or 10 feet.

earance between masonry and structural elements, or

with polvethylene film. l control joints in all masonry walls on architectural drawings or

iximum spacing. ubs of openings wider than six feet.

for materials used in masonry construction indicating compliance with the contract documents ion is required by design. See Special Inspection Notes.

Quality Assurance, MSJC Table 1.14.2 t tests will be required prior to the start of masonry work shall consist of live (5) masonry prisms.

shall be made by the masons, at the direction of the owner's representative, ials and techniques currently being used in the wall.

shall be protected and field cured for 48 hours before being transported to a testing agency. g agent will be hired by the owner and shall be responsible for laboratory care and curing of specimens, testing, and

esults to the owner, contractor, architect, and engineer in accordance with ASTM E447-92

therwise, provide galvanized loose lintels per general notes detail.

## GE STRUCTURAL STEEL FRAMING:

ing shall conform to AISI Cold-Formed Steel Specifications. framing (studs, joists, track, runners, bracing, and bridging) shall be galvanized sheet steel conforming to ASTM A525,

## joists 54 mils (16 gauge) and heavier shall be 50 ksi yield.

gauge) and lighter shall be. 33 ksi yield. shall provide bridging and blocking at a maximum of 6 foot spacing or as required for stability and stiffness of the final

wherever sheathing does not provide adequate bracing.

design required lintels and headers at openings where not specifically detailed. noted on drawings are in the new SSMA standard nomenclature:

)(sd)(##w)-(##t) -

(##d) Member Depth (inches.hundredths) (sd) Style Designation (see Style Designation in table below)

· · · ·	nge Width (inches.hundredth	()	
	terial Thickness (mils)	) (see Mils vs equivalent Gau	ge in table below)
yle Designation	Member Type	(##t) Mils Thickness	Equivalent Gauge
S	Punched C-Section	18	25
J	Unpunched C-Section	27	22
T	Track	30	20 – Drywall
U	Channel	33	20 – Structural
F	Furring Channel	43	18
***************************************		54	16
		: 20	

Blast Furnace Slag

SHOP DRAWINGS:

Construction Documents are copyrighted and shall not be copied for Use of SI Inc.'s electronic files as base for shop drawings requires p signed release of liability by subcontractor, payment of an administration fee of \$100 per drawing sheet to \$

deletion of SI Inc's name and Logo from all sheets so used. The General Contractor and his subcontractors shall submit in writi All shop and erection drawings shall be checked and stamped by th

Unchecked submittals will be returned without review. Furnish one (1) reproducible and two (2) prints of shop and fabrication for:

\* Concrete reinforcing steel \* Concrete masonry & reinforcing steel

\* Structural steel / AESS steel \* Metal stud curtain walls systems

\* Bar Joists

\* Metal Deck

\* Precast & Granite Veneer Submittal and Connections D Submit in a timely manner to permit ten (10) working days for revi Shop drawings submitted for review do not constitute "in writing" In any event, such changes by means of the shop drawing submitta

FIELD VERIFICATION OF EXISTING CONDITIONS:

Contractor shall thoroughly inspect and survey existing structure to Contractor shall report any variations or discrepancies to the Archit

STRUCTURAL ERECTION AND BRACING REQUIREMEN The structural drawings illustrate the completed structure with elem These construction documents contain typical and representative d Details shown apply at all similar conditions unless otherwise india Although due diligence has been applied to make the drawings a exceptional condition addressed.

All proprietary connections shall be installed in accordance with the All work shall be accomplished in a workmanlike manner and in accordance with the applicable code and local ordinances.

The general contractor is responsible for coordination of all work, including layout and dimension verification, materials coordination, shop drawing review, and the work of subcontractors. Any discrepancies or omissions discovered in the course of the work shall be immediately reported to the architect for resolution. Continuation of work without notification of discrepancies relieves the architect and engineer from all consequences. Unless otherwise specifically indicated, the drawings do not describe methods of construction. The contractor, in the proper sequence, shall perform or supervise all work necessary to achieve the final completed structure, and to protect the structure, workmen, and others during construction.

Such work shall include, but not be limited to, bracing, shoring for construction equipment, shoring for excavation, formwork, scaffolding, safety devices and programs of all kinds, support and bracing for cranes and other erection equipment. Do not backfill against basement or retaining walls until supporting slabs and floor framing are in place and securely anchored, unless

adequate bracing is provided. Temporary bracing shall remain in place until all floors, walls, roofs and any other supporting elements are in place.

The architect and engineer bear no responsibility for the above items, and observation visits to the site do not in any way include inspection of them.

	AB	Anchor Rod (Bolt)	EF	Each Face	MACH	Machine
I for use as erection plans or shop details.	ADDL	Additional	EJ	Expansion Joint	MASY	Masonry
es prior approval by SI Inc,	ADJ	Adjustable	ELEV	Elevation	MATL	Material
이 이 사람에 가장 것 같은 것 같아요. 물 것 같아요. 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이	AFF	Above Finished Floor	ELEC	Electric (Electrical)	MAX	Maximum
to SI Inc, and	ALT	Alternate	ENGR	Engineer	MB	Machine bolt
	AMT	Amount	EQ	Equal	MECH	Mechanical
riting any requests to modify the plans or specifications.	ANCH	Anchor, Anchorage	EQUIP	Equipment	MEZZ	Mezzanine
the General Contractor prior to submission for Engineer's review.	APPROX	Approximate	EQUIV	Equivalent	MFR	Manufacture, -er
and anotion describer to the Structural Franciscus for appiars unline to	ARCH	Architect, -ural	ES	Each Side	MIN	Minimum
and erection drawings to the Structural Engineer for review prior to	ATR	All Thread Rod	EST	Estimate	ML	Microllam
	AVG	Average	E-W	East to West		(Trus-joist brand
	BC	Bottom of Concrete	EXC	Excavate	MO	Masonry Openin
	BL	Brick Ledge	EXP	Expansion	MTL	Metal
	BLK	Block	EXT	Exterior	NF	Near Face
한 편은 물 물 집안 해외로 물 물 감독을 물 물 물 수 있는 것이 있는 것이 없다.	BLKG	Blocking	FND	Foundation	NIC	Not In Contract
	BM	Beam	FF	Far Face, Finished Floor	NS	Near Side
Design	BOT	Bottom	F-F	Face to Face	N-S	North to South
eview.	BRG	Bearing	FIG	Figure	NTS	Not to Scale
g" unless specific suggested changes are clearly marked.	BW	Bottom of Wall	FL	Flush	OCJ	OSHA Column
ttal process become the responsibility of the one initiating such change.	СВ	Counterbore	FLG	Flange	OD	Outside Diamete
	CF	Cubic Foot	FLR	Floor	OF	Outside Face
e to verify conditions that affect the work shown on the drawings.	CG	Center of Gravity	FO	Face of	OH	Opposite Hand
chitect before proceeding.	CIP	Cast in Place	FP	Full Penetration	OPNG	Opening
	CJ	Construction Joint	FS	Far Side	OPP	Opposite
ENTS:		(Control Joint)	FTG	Footing	OSB	Oriented Strand
lements in their final positions, properly supported and braced.	CLG	Ceiling	GA	Gage (Gauge)	PAF	Powder Actuated
e details to assist the contractor.	CLR	Clear	GALV	Galvanized	PC	Precast
dicated.	СМ	Construction Manager	GC	General Contractor	PCF	Pounds Per Cub
s as complete as possible, not every detail is illustrated, nor is every		(Management)	GEN	General	PEN	Penetration
the manufacturers' recommendations.	CMU	Concrete Masonry Unit	GL	Glue laminated (Glulam)	PERP	Perpendicular
and manufacturers recommendations.	COL	Column	GND	Ground	PL	Property Line

ANCH	Ancnor, Anchorage	EQUIP	Equipment	MEZZ	Mezzanine	3
APPROX	Approximate	EQUIV	Equivalent	MFR	Manufacture, -er, -ed	S
ARCH	Architect, -ural	ES	Each Side	MIN	Minimum	S
ATR	All Thread Rod	EST	Estimate	ML	Microllam	S
AVG	Average	E-W	East to West		(Trus-joist brand LVL)	S
BC	Bottom of Concrete	EXC	Excavate	MO	Masonry Opening	S
BL	Brick Ledge	EXP	Expansion	MTL	Metal	S
BLK	Block	EXT	Exterior	NF	Near Face	S
BLKG	Blocking	FND	Foundation	NIC	Not In Contract	S
BM	Beam	FF	Far Face, Finished Floor	NS	Near Side	S
BOT	Bottom	F-F	Face to Face	N-S	North to South	S
BRG	Bearing	FIG	Figure	NTS	Not to Scale	S
BW	Bottom of Wall	FL	Flush	OCJ	OSHA Column Joist	S
СВ	Counterbore	FLG	Flange	OD	Outside Diameter	S
CF	Cubic Foot	FLR	Floor	OF	Outside Face	S
CG	Center of Gravity	FO	Face of	OH	Opposite Hand	S
CIP	Cast in Place	FP	Full Penetration	OPNG	Opening	T
CJ	Construction Joint	FS	Far Side	OPP	Opposite	T
	(Control Joint)	FTG	Footing	OSB	Oriented Strand Board	T
CLG	Ceiling	GA	Gage (Gauge)	PAF	Powder Actuated Fast'nr	T
CLR	Clear	GALV	Galvanized	PC	Precast	T
CM	Construction Manager	GC	General Contractor	PCF	Pounds Per Cubic Foot	T
	(Management)	GEN	General	PEN	Penetration	T
CMU	Concrete Masonry Unit	GL	Glue laminated (Glulam)	PERP	Perpendicular	T
COL	Column	GND	Ground	PL	Property Line	Г
COM	Common	GR	Grade	PLF	Pounds per Linear Foot	Т
COMB	Combination	GT	Girder Truss	PNL	Panel	Г
CONC	Concrete		Gypsum Board	PP	Panel Point	Т
CONN	Connection	HAS	Headed Anchor Stud	PS	Prestressed	Т
CONT	Continue (Continuous)	HORIZ	Horizontal	PSF	Pounds per Square Foot	l
COORD	Coordinate, -tion	HT	Height	PSI	Pounds per Square Inch	τ
CS	Countersink	ID	Inside Diameter	PSL	Parallel Strand Lumber	V
CTR	Center	IF	Inside Face		(generic term)	V
CY	Cubic Yard	INT	Interior (Intermediate)	PT (1)	Post Tensioned	v
DAB	Deformed Anchor Bar	JB	Joist Bearing	PT (2)	Pressure Treated	v
DET	Detail	JST	Joist	PTN	Partition	v
DEV	Develop	JT	Joint	PWD	Plywood	v
DIAG	Diagonal	K	Kip (1,000 lbs.)	QTY	Quantity	X
DIM	Dimension	LD	Load	R	Radius	X
DL	Dead Load	LL	Live Load	RE	Reference (refer to)	X
DN	Down	LLH	Long Leg Horizontal	RECT	Rectangle	Ē
DP	Drilled Pier	LLV	Long Leg Vertical	REINF	Reinforce, -ed, -ing	(
DT	Double Tee	LOC	Location	REQ	Required	(
DWG	Drawing	LOC	Laminated Strand	REQMT	•	(1
DWG DWL	Dowel		Lumber (generic term)	REG	Retaining	ľ
EA	Each	LT	Ŭ	RM	Room	
EA ECC		LI	Light Laminated Veneer	RMO		
LUU	Eccentric		Laminated Veneer Lumber (generic term)	RO	Rough Masonry Opening Rough Opening	

ABBREVIATIONS KEY

# Structural Drawin

	0
S0.00	General Notes, Etc.
S0.01	General Notes, Etc.
S1.00	Foundation Plan
S1.00-A	Foundation Dimension Plan A
S1.00-B	Foundation Dimension Plan B
S1.00-C	Foundation Dimension Plan C
S1.00-D	Foundation Dimension Plan D
S1.01	1st Floor Framing Plan
S1.02	2nd Floor Framing Plan
S1.03	3rd Floor Framing Plan
S1.04	4th Floor Framing Plan
S1.05	5th Floor Framing Plan
S1.06	6th Floor Framing Plan
S1.07	7th Floor Framing Plan
S1.08	8th Floor Framing Plan
S1.09	Roof Framing Plan
S1.10	High Roof Framing Plan
S2.00	Sections
S2.01	Sections
S2.02	Sections
S2.03	Sections
S2.04	Sections
S3.00	Brace Frame Elevations
S3.01	Brace Frame Elevations
S3.02	Brace Frame Elevations
S3.03	Brace Frame Sections
S4.00	Column Schedule
S4.01	Column Schedule Cont.



SC	Slip Critical
SCH	Schedule
SDST	Self Drilling Self Tapping
SECT	Section
SF	Square Feet
SHT	Sheet
SHTG	Sheathing
SIM	Similar
SLH SLV	Short Leg Horizontal Short Leg Vertical
SOG	Slab on Grade
SP	Spaces
SPEC	Specifications
SQ	Square
ST	Snug Tight
STD	Standard
STIFF	Stiffener
STL	Steel
STRUCT	Structure, -al
SUPT	Support
SY	Square Yard
SYM	Symmetrical
T&B	Top and Bottom
T&G	Tongue and Groove
TB	Top of Beam
TC	Top of Concrete
TD	Top of Deck
THD	Thread
THK	Thick, -ness
TJ	Top of Joist
TL	Total Load
TPG TRANS	Topping
TW	Transverse Top of Wall
TYP	Typical
ULT	Ultimate
UNO	Unless Noted Otherwise
VERT	Vertical
VIF	Verify in Field
WA	Wedge Anchor
WP	Work Point
WT	Weight
WWF	Welded Wire Fabric
XS	Extra Strong
XSECT	Cross-section
XXS	Double Extra Strong
(E)	Existing
(N)	New
(R)	Remove
•	- T J
wing	g Index
Etc.	
Etc.	
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